

ABSTRACT OF THE DISCLOSURE

A wiring substrate; a wiring head which guides optical fibers to the lead end thereof and forms an optical fiber path; an optical fiber feed mechanism which feeds the optical fiber into the optical fiber path; an optical fiber contact mechanism which brings the optical fiber, which has been guided to the lead end of the wiring head, and the wiring substrate into contact; an XY movement mechanism, which moves the wiring substrate and the wiring head relative to one another in the X and Y directions; and an optical fiber affixing mechanism which successively affixes, to the wiring substrate, the optical fiber which has been brought into contact with the wiring substrate during movement by the XY movement mechanism; are provided.

A wiring method which conducts the wiring of an optical fiber onto a wiring substrate, wherein the feeding of this optical fiber is adjusted by an optical fiber feed mechanism so that the tension thereof is within a fixed range, this optical fiber is wired onto the wiring substrate by a wiring mechanism, and the optical fiber is cut to the length required for the wiring by the optical fiber cutting mechanism.